Installation Instructions

20″ and 24″ Compact Electric Ranges

? Questions? Call 1-800-932-4267 or Visit our Website at: www.summitappliance.com

BEFORE YOU BEGIN

Read these instructions completely and carefully.

- **IMPORTANT** — Save these instructions for local inspector's use.
- **IMPORTANT** — Observe all governing codes and ordinances.
- **Note to Installer –** Be sure to leave these instructions with the Consumer.
- **Note to Consumer –** Keep these instructions for future reference.
- **Skill level –** Installation of this appliance requires basic mechanical skills.
- **Completion time –** 1 to 3 hours
- Proper installation is the responsibility of the installer.
- Product failure due to improper installation is not covered under the Warranty.

⚠ WARNING — This appliance must be properly grounded.

FOR YOUR SAFETY:

⚠ WARNING — Before beginning the installation, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.

FOR YOUR SAFETY:

All rough-in and spacing dimensions must be met for safe use of your range. Electricity to the range can be disconnected at the outlet without moving the range if the outlet is in the preferred location (remove lower drawer).

To reduce the risk of burns or fire when reaching over hot surface elements, cabinet storage space above the cooktop should be avoided. If cabinet storage space is to be provided above the cooktop, the risk can
be reduced by installing a range hood that sticks out at least 5" beyond the front of the cabinets. Cabinets installed above a cooktop must be no deeper than 13."

Be sure your appliance is properly installed and grounded by a qualified technician.

Make sure the cabinets and wall coverings around the range can withstand the temperatures (up to 200°F) generated by the range.

ANTI-TIP DEVICE

⚠ WARNING

Tip-Over Hazard

- **A child or adult can tip the range and be killed.**
- **Install the anti-tip bracket to the wall or floor.**
- **Engage the range to the anti-tip bracket by sliding the range back so the anti-tip arm slides under the anti-tip bracket.**
- **Re-engage the anti-tip bracket if the range is moved.**
- **Failure to do so can result in death or serious burns to children or adults.**

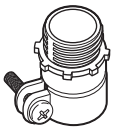
If you did not receive an anti-tip bracket with your purchase, call 1-800-932-4267 to receive one at no cost.

PREPARE TO INSTALL THE RANGE

MATERIALS YOU MAY NEED

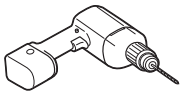
(UL Approved 40 AMP)

4-Wire Cord **OR** 3-Wire Cord
4′ Long 4′ Long



Squeeze Connector **(For Conduit Installations Only)**

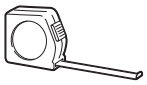
TOOLS YOU WILL NEED



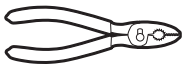
Drill with 1/8″ Bit

Safety Glasses

Adjustable Wrench



Tape Measure



Pliers

Pencil

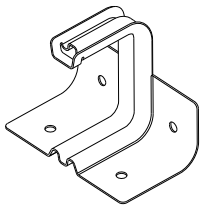
1/4″ Nut Driver

Level

Phillips Screwdriver

Flat-blade Screwdriver

PARTS INCLUDED



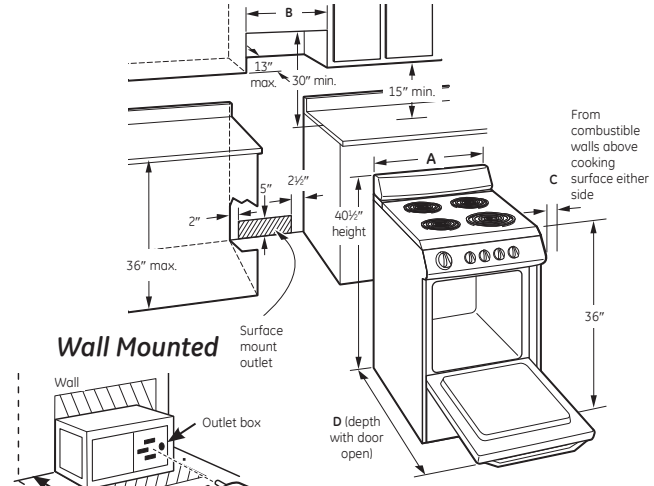
Anti-Tip Bracket Kit

1 REMOVE SHIPPING MATERIALS

Remove packaging materials. Failure to remove packaging materials could result in damage to the appliance.

2 PREPARE THE OPENING

- Allow 2″ spacing from the range to adjacent vertical walls above the cooktop surface. Allow 30″ minimum clearance between the surface units and the bottom of unprotected wood or metal top cabinet, and 15″ minimum between the countertop and adjacent cabinet bottom.
- To eliminate the risk of burns or fire when reaching over hot surface elements, cabinet storage space above the cooktop should be avoided. If cabinet storage space is to be provided above the cooktop, the risk can be reduced by installing a range hood that protrudes at least 5″ beyond the front of the cabinets. Cabinets installed above a cooktop may be no deeper than 13″.



Recommended acceptable electrical outlet area. Orient the electrical receptacle so the length is parallel to the floor.

Models	A	B	C	D
20″ Wide	20″	20⅜″	2″	41″
24″ Wide	24″	24⅜″	2″	41″

Flooring under the range

Your range, like many other household items, is heavy and can settle into soft floor coverings such as cushioned vinyl or carpeting.

When moving the range on this type of flooring, it should be installed on a 1/4″ thick sheet of plywood (or similar material) as follows:

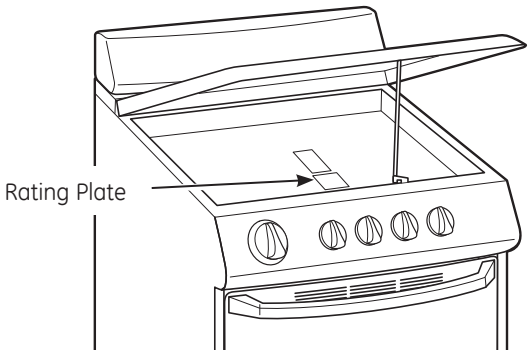
When the floor covering ends at the front of the range, the area that the range will rest on should be built up with plywood to the same level or higher than the floor covering. This will allow the range to be moved for cleaning or servicing.

ELECTRICAL CONNECTIONS

ELECTRICAL REQUIREMENTS

⚠ CAUTION: For personal safety, do not use an extension cord with this appliance. Remove house fuse or open circuit breaker before beginning installation.

This appliance must be supplied with the proper voltage and frequency, and connected to an individual properly grounded branch circuit, protected by a circuit breaker or fuse having amperage as specified on the rating plate. The rating plate is located under the cooktop. See the Lift-Up Cooktop section in this manual for instructions on how to lift the cooktop.



We recommend you have the electrical wiring and hookup of your range connected by a qualified electrician. After installation, have the electrician show you where your main range disconnect is located.

Check with your local utilities for electrical codes which apply in your area. Failure to wire your oven according to governing codes could result in a hazardous condition. If there are no local codes, your range must be wired and fused to meet the requirements of the National Electrical Code, ANSI/ NFPA No. 70– Latest Edition. You can get a copy by writing:

National Fire Protection Association
Batterymarch Park
Quincy, MA 02269

Effective January 1, 1996, the National Electrical Code requires that new construction (not existing) utilize a 4-conductor connection to an electric range.

ELECTRICAL REQUIREMENTS (cont.)

When installing an electric range in new construction, follow Steps 3 and 5 for 4-wire connection.

You must use a 3-wire, single-phase A.C. 208Y/120 Volt or 240/120 Volt, 60 hertz electrical system. If you connect to aluminum wiring, properly installed connectors approved for use with aluminum wiring must be used.

If the electrical service provided does not meet the above specifications, have a licensed electrician install an approved outlet.

STOP ALL NEW BRANCH CIRCUIT INSTALLATIONS, MOBILE HOMES, RECREATIONAL VEHICLES AND INSTALLATIONS WHERE LOCAL CODES DO NOT ALLOW GROUNDING THROUGH NEUTRAL, REQUIRE A 4-CONDUCTOR CORD OR CONDUIT

Use only a 3-conductor or a 4-conductor UL-listed range cord. These cords may be provided with ring terminals on wire and a strain relief device.

A range cord rated at 40 amps with 125/250 minimum volt range is required. A 50 amp range cord is not recommended but if used, it should be marked for use with nominal 1⅜″ diameter connection openings. Care should be taken to center the cable and strain relief within the knockout hole to keep the edge from damaging the cable.

- Because range terminals are not accessible after range is in position, flexible service conduit or cord must be used.

NOTE: If conduit is being used, go to Step 3D and then to Step 6 or 7.

- On some models, a filter capacitor may be connected between the black and white leads on the junction block.

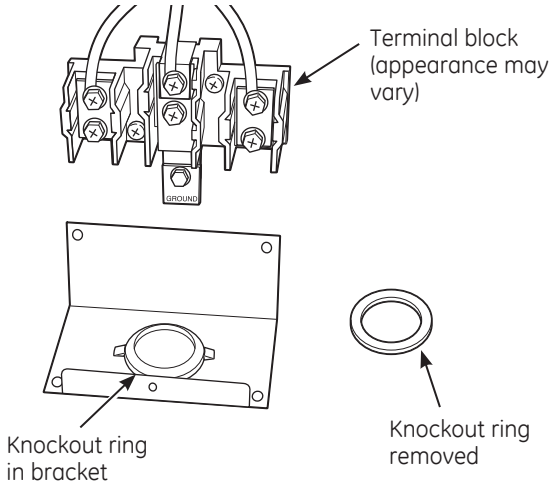
ELECTRICAL CONNECTIONS (CONT.)

3 POWER CORD AND STRAIN RELIEF INSTALLATION

A Remove the wire cover (on the lower back of the range) by removing its top center screw.

Do not discard this screw.

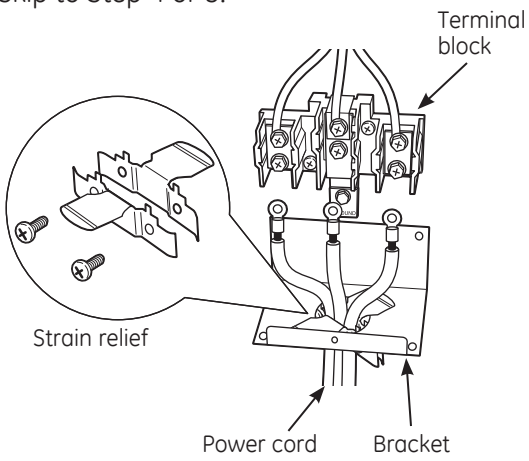
B Remove the knockout ring (1⅜≤) located on bracket directly below the terminal block. To remove the knockout, use a pair of pliers to bend the knockout ring away from the bracket and twist until ring is removed.



C **For power cord installations only** (see the next step if using conduit), assemble the strain relief in the hole. Insert the power cord through the strain relief and tighten. Allow enough slack to easily attach the cord terminals to the terminal block. If tabs are present at the end of the winged strain relief, they can be removed for better fit.

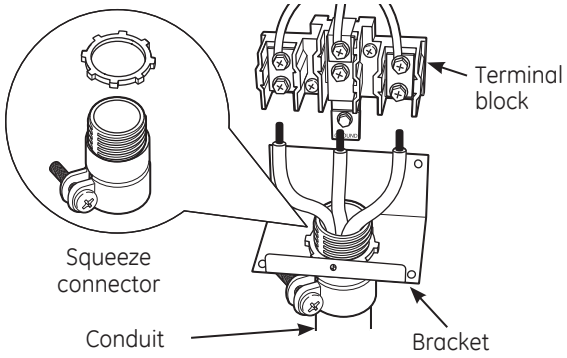
NOTE: Do not install the power cord without a strain relief. The strain relief bracket should be installed before reinstalling the rear range wiring cover.

Skip to Step 4 or 5.



D **For conduit installations only**, purchase a squeeze connector matching the diameter of your conduit and assemble it in the hole. Insert the conduit through the squeeze connector and tighten. Allow enough slack to easily attach the wires to the terminal block.

NOTE: Do not install the conduit without a squeeze connector. The squeeze connector should be installed before reinstalling the rear range wiring cover.



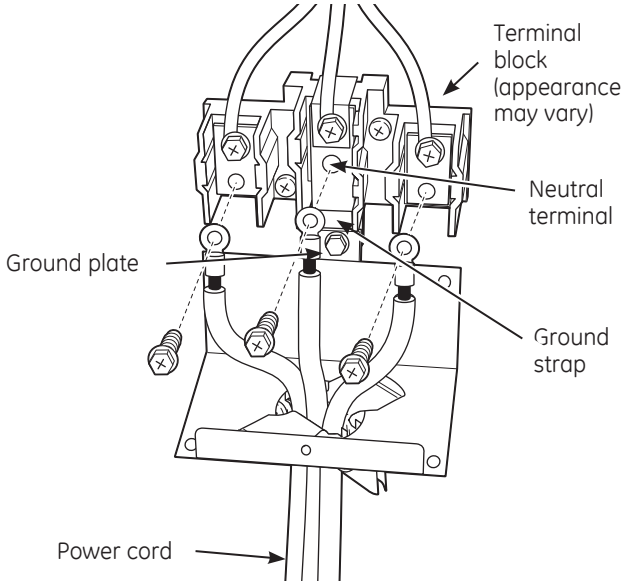
Skip to Step 6 or 7.

4 3-WIRE POWER CORD INSTALLATION

⚠ WARNING: The neutral or ground wire of the power cord must be connected to the neutral terminal located in the center of the terminal block. The power leads must be connected to the lower left and the lower right terminals of the terminal block.

A Remove the 3 lower terminal screws from the terminal block. Insert the 3 terminal screws through each power cord terminal ring and into the lower terminals of the terminal block. Be certain that the center wire (white/neutral) is connected to the center lower position of the terminal block. Tighten screws securely into the terminal block.

DO NOT remove the ground strap connection.



B Skip to Step 8 and proceed with the installation.

5 4-WIRE POWER CORD INSTALLATION

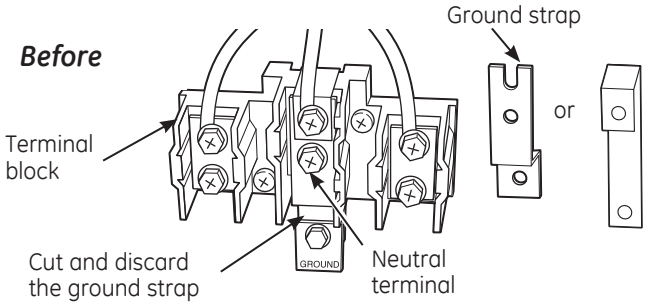
⚠ WARNING: The neutral wire of the supply circuit must be connected to the neutral terminal located in the lower center of the terminal block. The power leads must be connected to the lower left and the lower right terminals of the terminal block. The 4th grounding lead must be connected to the frame of the range with the ground plate and the ground screw.

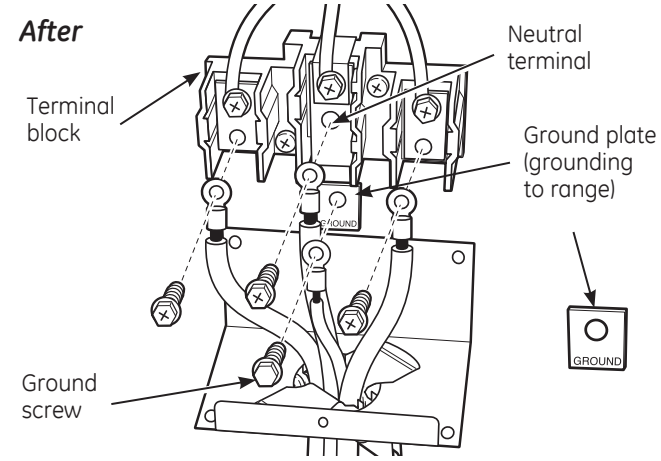
A Remove the 3 lower terminal screws from the terminal block. Remove the ground screw and ground plate and retain them.

B **Cut and discard the ground strap. DO NOT DISCARD ANY SCREWS.**

C Insert the one ground screw into the power cord ground wire terminal ring, through the ground plate and into the frame of the range.

D Insert the 3 terminal screws (removed earlier) through each power cord terminal ring and into the lower terminals of the terminal block. Be certain that the center wire (white/neutral) is connected to the center lower position of the terminal block. Tighten screws securely into the terminal block.





E Skip to Step 8 and proceed with the installation.

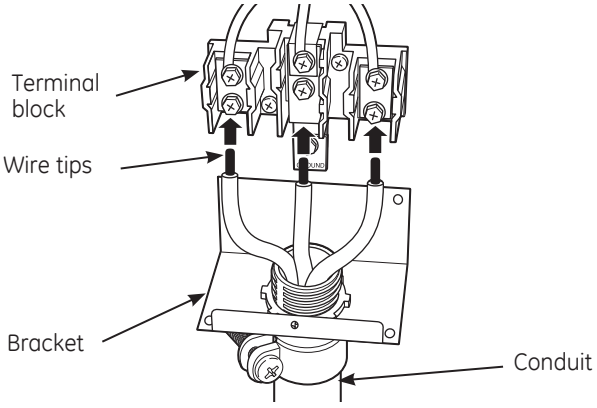
ELECTRICAL CONNECTIONS (CONT.)

6 3-WIRE CONDUIT INSTALLATION

A Loosen the 3 lower terminal screws from the terminal block. Insert the center bare wire (white/neutral) tip through the bottom center terminal block opening. On certain models, the wire will need to be inserted through the ground strap opening and then into the bottom center block opening. Insert the two side bare wire tips into the lower left and the lower right terminal block openings. Tighten the screws until the wire is firmly secure (approximately 20 inch-lbs.).

NOTE: ALUMINUM WIRING:

Aluminum building wire may be used but it must be rated for the correct amperage and voltage to make connection. Connect wires according to this Step 6 or Step 7 depending on number of wires.



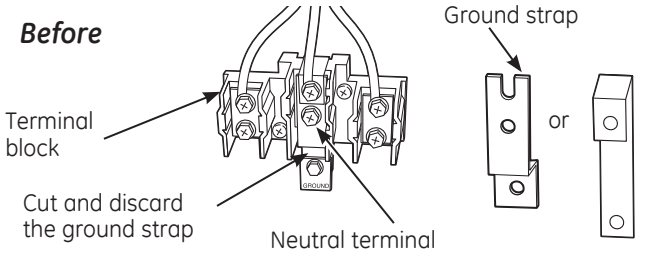
Wire used, location and enclosure of splices, etc., must conform to good wiring practices and local codes.

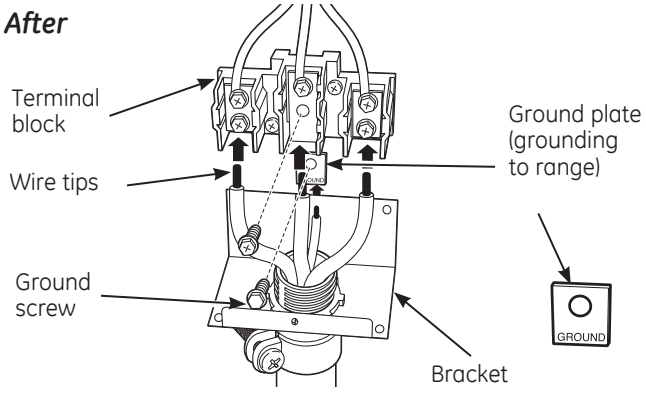
B Skip to Step 8 and proceed with the installation.

7 4-WIRE CONDUIT INSTALLATION

A Loosen the three lower terminal screws from the terminal block. Remove the ground screw and ground plate and retain them.
Cut and discard the ground strap.
DO NOT DISCARD ANY SCREWS.

B Insert the ground bare wire tip between the range frame and the ground plate (removed earlier) and secure it in place with the ground screw (removed earlier). Insert the bare wire (white/neutral) tip through the bottom center of the terminal block opening. Insert the two side bare wire tips into the lower left and the lower right terminal block openings. Tighten the screws until the wire is firmly secure (approximately 20 inch-lbs.).





Wire used, location and enclosure of splices, etc., must conform to good wiring practices and local codes.

C Proceed to Step 8.

8 REPLACE THE WIRE COVER

Replace the wire cover on the range back by sliding its two lower retaining tabs into the slots and replacing the screw removed earlier. Make sure that no wires are pinched between the cover and the range back.

INSTALL THE RANGE

9 ANTI-TIP DEVICE INSTALLATION

⚠ WARNING

Tip-Over Hazard

- **A child or adult can tip the range and be killed.**
- **Install the anti-tip bracket to the wall or floor.**
- **Engage the range to the anti-tip bracket by sliding the range back so the anti-tip arm slides under the anti-tip bracket.**
- **Re-engage the anti-tip bracket if the range is moved.**
- **Failure to do so can result in death or serious burns to children or adults.**

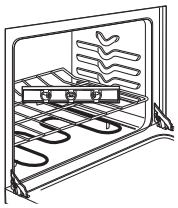
To reduce the risk of tipping the range, the range must be secured by a properly installed anti-tip bracket. See installation instructions shipped with the bracket for complete details before attempting to install.

To check if the bracket is installed and engaged properly, look underneath the range to see that the anti-tip arm attached to the side panel is engaged in the bracket. On some models, the storage drawer or kick panel can be removed for easier inspection. If visual inspection is not possible, slide the range forward, confirm the anti-tip bracket is securely attached to the floor or wall, and slide the range back so the anti-tip arm slides just under the anti-tip bracket. If the range is pulled from the wall for any reason, always repeat this procedure to verify the range is properly secured by the anti-tip bracket.

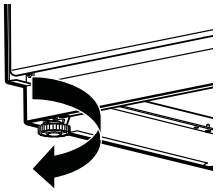
10 LEVEL THE RANGE

For proper cooking and baking, the range must be leveled. Leveling legs are located on each corner at the base of the range.

A Install the oven shelves (see **Using the oven** section for instructions). Put a spirit level or a glass measuring cup partially filled with water on one of the oven shelves.



B Turn the legs clockwise to raise the range and counterclockwise to lower the range. Adjust the leveling legs until the range is level.



11 FINAL INSTALLATION CHECKLIST

- Check to make sure the circuit breaker is closed (RESET) or the circuit fuses are replaced.
- Be sure power is in service to the building.
- Check to be sure that all packing materials and tape have been removed. This will include tape on metal panel under control knobs (if applicable), adhesive tape, wire ties, cardboard and protective plastic. Failure to remove these materials could result in damage to the appliance once the appliance has been turned on and surfaces have heated.
- Check to make sure that the Anti-Tip device is securely installed.
- Be sure all range controls are in the OFF position before leaving the range.